



SPECIFICATIONS

Operating System

Android 7.0 / 10.0

Processor

ARM Quad-core processor 1.3Ghz

Memory

8G Flash + 1G SDRAM
16G Flash + 2G SDRAM (Optional)
32G Flash + 3G SDRAM (Optional)
Micro SD (TF) card up to 32G

Display

5.5-inch 1280 x 720 pixels IPS hard screen
Multi-point capacitive touch screen
Supports electronics signature

Physical keys

1 x ON / OFF key

Printer

High-speed Thermal Printer
Print Speed 80mm/s
Paper Width 58mm (2.25-inch)

Card Readers

Magnetic Card Reader
Track 1 / 2 / 3 , Bi-directional, ISO 7812-2

Smart Card Reader

Supports 3V / 5V IC card
ISO7816, EMV Level 1 & Level 2

Contactless Card Reader

Mifare classic / Mifare Ultra light / Mifare DES Fire
ISO 14443 A&B

Communications

4G: FDD-LTE / 3G: WCDMA / GPRS
Wi-Fi: 802.11b/g/n WLAN, Supports Hotspot
Bluetooth 2.1 – 4.0, Supports BLE

Satellite Positioning

GPS/A-GPS/GLONASS

Camera

Front: 0.3 Megapixel camera
Rear: 5 Megapixel camera with flash & AF
Supports 1D / 2D code scanning

Peripheral Ports

2 x SIM Card Slots
1 x SAM Card Slot
1 x Micro USB OTG

Audio

Speaker / Microphone / Buzzer

Security

Built-in PINPad (Virtual Keyboard)
ANSI X9.8 / ISO9564, ANSI X9.9 / ISO8731
Master key / Session key
Fixed and DUKPT PIN secure resolutions
DES / 3DES / RSA / SHA-256 / AES algorithms

Power

Input: 110-240V AC, 50Hz / 60Hz, 0.5A
Output: 5V DC / 2A
Micro USB port, anti-lightning, anti-static-electricity

Battery

7.2V / 2600mAh rechargeable Li-ion battery

Physical

L x W x H (mm): 200 x 85 x 55
Weight: 438g (Including Battery)

Environmental

0°C ~ 50°C (32°F ~ 122°F) Operating Temperature
-20°C ~ 70°C (-4°F ~ 158°F) Storage Temperature
10% ~ 95% Relative Humidity, Non-Condensing

Certifications

PCI PTS 6.x
EMV L1 & L2
EMV Contactless L1
MasterCard Paypass
Visa payWave
JCB Contactless
RuPay Contactless
PURE Contactless
American Express
Discover D-PAS
Russian Mir
TQM
CE & RoHS



Main Features:

- 1: Android 8 . 1 OS
- 2: 5.5 inch touch screen
- 3: with 3G/4G+WIFI+Bluetooth+Camera+GPS 4: With SAM slot
- 5: with thermal printer 58mm
- 6: can read 1D/2D/QR barcode by camera

Model Name	Q1
CPU	Quad core 1.25GHz MT6737V/WA
RAM/NAND Flash	2GB+16GB
RAM/NAND Flash	
system	Android 8.1
screen	5.5 inches, resolution 1280*720 IPS screen capacitive touch
communication	2G GSM850/900/1800/1900 3G/4G
camera	500W
SIM	SIM*1, MICRO
Battery	7.4V,5000mAh
Charging interface	DC 12V, 1.5A
Headphone jack	3.5mm Samsung standard headphones
OTG	Support
USB	Micro USB2.0*1
Audio system	Built-in speaker, buzzer, microphone
WIFI	802.11b/g/n
Bluetooth	Bluetooth4.0
Printer	Paper roll 58*35, thermal printer
Colour	Blue/Orange(Before Order, please check the stock for different color)
NFC reader	It is optional
1D barcode scanner	It is optional
Charging plug	EU Plug/US Plug/UK Plug

Android pos terminal 1pc U
Paper roll 1pc Adapter 1pc



Hand Held Ticketing M/C : (Model no. NWHTEII)

Overview:

**APPLICATIONS
THAT
eMPOWER**



ETM is a mobile handheld data capture, billing and Collection terminal to process and transmit information to host computers in real time. The simple user friendly design allows you to operate with easy and light weight and handy. Inbuilt thermal graphic printer high clarity graphic LCD display and keypad with good user interface. The Stored data can be uploaded to a PC via USB/RS-232 serial interface and GSM/GPRS wireless interface. The Device transfers Ticket data on GPRS to application Server at central Data center in both PUSH &PULL manners without any manual intervention. The PC software will be used for restoring all required MIS reports in the System.

32 bit Processor



USB & RS232 Ports

Thermal Printer



Battery Compartment

GSM/RS232/USB



Bill Printing

Micro SD Card



SIM card Access

Supporting Utilities:

- SDK with APIs

Features:

Built-in 2inch thermal printer
Prints Barcode, Logo, Image
Supports Four Different programmable Fonts
30 Keys Elastomeric designed keypad
Large bright graphical display
Self-diagnostic features
Optional – G.P.R.S., Wi Fi, Blue Tooth
Compact and Comprehensive
Fast-Intelligent-Versatile-Affordable
Lithium-Ion rechargeable battery
User programmable
Easy paper loader
Fast-Intelligent-Versatile-Affordable

Application Areas:

E.T.M in Road transport
Parking Management
Retail outlet
Police e- Challan
Utility Meter Reading & Billing
Tax Collection
Field Data Collection
LIC payment collection
Receipt Printing
Micro Finance
Toll gate management.
Ticketing

Specifications:

CPU	Advanced Micro Controller based system with the latest hardware technology Micro Controller with 32 bit (cortex arm core) STM 32F103 ZET6 Min of 64KB Flash Program Memory to 512KB byte. Min Clock speed of 12MHz to 70 MHz. Min 1 K RAM
Memory	a) Inbuilt minimum 8 MB DATA flash memory b) Minimum 2 Megabit RAM / FLASH c) Flash memory should be capable of retaining data without corruption for more than 10 year (data supporting this feature to be enclosed) d) Flash memory should be utilized for storing more than 10000 ticket Details with complete ticket information and up to 50 routes fare details and service details e) Additional 4 Gigabit flash for ticket data warehousing facility for minimum recent 10 lacks tickets
KEYPAD	a) 30 keys alphanumeric keyboard (including function /navigational key) with legends b) Keypad should be detachable and replaceable c)keys shall be in colors differentiating numerals functions etc d) Radium Keypad
Operating Firmware :	Embedded C

Printer	<ul style="list-style-type: none"> A) Paper width 57mm B) Paper roll cage of minimum 30 mm diameter C) Printer shall support thermal paper of 50-60 GSM D) 384 DOT per link E) Ultra fast 2 inch thermal printer with minimum 60 mm/sec speed F) Easy paper roll loading mechanism, without using paper-feed-key G) Transparent paper cover H) Paper Over sensor I) Paper cover open sensor
Interface/Connector	<ul style="list-style-type: none"> a).RS-232 (RJ11 Connector for console / Serial port) b).USB Device (Type B) c).Micro SD Card holder for extendable up to 2GB memory
Optional	<ul style="list-style-type: none"> a) Customized Software b) Wi-Fi /Blue tooth c) GSM/GPRS & SAM Slot
Power Adaptor	<ul style="list-style-type: none"> A) AC input from 100v, 50-60Hz B) Charger should have capacity to charge the battery fully within 3 hours C) Charger shall be covered under warranty during contract period
Battery	<ul style="list-style-type: none"> a) Minimum 7.4V,2600 MAH Li-ion /Li-polymer internal battery with Quick rechargeable in-built charger with over-charge /over-voltage /over current protection capable to charge fully within 3hours b) CHARGING and BATTERY FULL indication display in machine c) Minimum of 300 full recharge LIFE-CYCLE for BATTERY d) Capable of operating at least 8 hours in operation mode or ,72 hours of sleep /power save mode, per signal charge with real time data transfer and smart card read &write facility e) Capable to print at least 2500 to 3500 tickets per single charge
Enclosure	ABS+PC
Temperature	Operating : 0degree C to 55degree C
Humidity	95% RH non condensing
R.F.I.D	<ul style="list-style-type: none"> a) Inbuilt contact less smart card reader b) ISO 14443A, Type A & B,Mi Fare as well as Dis fire complaint c) Read /Write capability d) Reading range at least 50mm
Dimensions in mm	75mmX225mmX40mm
Weight	600 grams with battery and Paper Roll